SEQUENCE LISTING

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<120> Relaxin Superfamily Peptide Analogues

<130> 087521-000000US

<140> US 10/561,304
<141> 2005-12-19

<150> AU 2003903124
<151> 2003-06-20

<150> WO PCT/AU04/00798
<151> 2004-06-18

<160> 25

<170> PatentIn Ver. 2.1

<210> 1
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<223> relaxin-1 b-chain

<400> 1
Lys Trp Lys Asp Asp Val Ile Lys Leu Cys Gly Arg Glu Leu Val Arg
1 5 10 15

Ala Gln Ile Ala Ile Cys Gly Met Ser Thr Trp Ser
20 25

<210> 2
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<223> relaxin-2 b-chain

<400> 2
Asp Ser Trp Met Glu Glu Val Ile Lys Leu Cys Gly Arg Glu Leu Val
1 5 10 15

Arg Ala Gln Ile Ala Ile Cys Gly Met Ser Thr Trp Ser
20 25

<210> 3
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<223> relaxin-3 b-chain

<400> 3
Arg Ala Ala Pro Tyr Gly Val Arg Leu Cys Gly Arg Glu Phe Ile Arg
1 5 10 15

Ala Val Ile Phe Thr Cys Gly Gly Arg Trp
20 25

<210> 4
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<223> insulin b-chain

<400> 4
Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
20 25 30

<210> 5
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like growth factor 1 (IGF-1) b-chain

<400> 5
Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe
1 5 10 15

Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr
20 25

<210> 6
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like growth factor 2 (IGF-2) b-chain

<400> 6
Tyr Arg Pro Ser Glu Thr Leu Cys Gly Gly Glu Leu Val Asp Thr Leu
1 5 10 15

Gln Phe Val Cys Gly Asp Arg Gly Phe Tyr Phe Ser Arg Pro Ala
20 25 30

<210> 7
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 3 (INSL3) b-chain

<400> 7
Pro Thr Pro Glu Met Arg Glu Lys Leu Cys Gly His His Phe Val Arg
1 5 10 15

Ala Leu Val Arg Val Cys Gly Gly Pro Arg Trp Ser Thr Glu Ala
20 25 30

<210> 8
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 4 (INSL4) b-chain

<400> 8
Glu Ser Leu Ala Ala Glu Leu Arg Gly Cys Gly Pro Arg Phe Gly Lys
1 5 10 15

His Leu Leu Ser Tyr Cys Pro Met Pro Glu Lys Thr Phe Thr Thr Thr
20 25 30

Pro

<210> 9
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 5 (INSL5) b-chain

<400> 9
Val Arg Ser Lys Glu Ser Val Arg Leu Cys Gly Leu Glu Tyr Ile Arg
1 5 10 15

Thr Val Ile Tyr Ile Cys Ala Ser Ser Arg Trp Arg Arg His Leu Glu
20 25 30

Gly

<210> 10
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 6 (INSL6) b-chain

<400> 10
Ser Asp Ile Ser Ser Ala Arg Lys Leu Cys Gly Arg Tyr Leu Val Lys
1 5 10 15

Glu Ile Glu Lys Leu Cys Gly His Ala Asn Trp Ser Gln Phe Arg Phe
20 25 30

Glu

<210> 11
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:cyclic relaxin b-chain mimetic (cRlx)

<220>
<221> DISULFID
<222> (2)..(24)

<400> 11
Ser Cys Met Glu Glu Val Ile Lys Leu Ser Gly Arg Glu Leu Val Arg
1 5 10 15

Ala Gln Ile Ala Ile Ser Gly Cys Ser
20 25

<210> 12
<211> 27
<212> PRT
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<220>
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<220>
<221> DISULFID
<222> (3)..(25)

<400> 12
Thr Pro Cys Met Arg Glu Lys Leu Ser Gly His His Phe Val Arg Ala
1 5 10 15

Leu Val Arg Val Ser Gly Gly Pro Cys Trp Ser
20 25

<210> 13
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
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(INSL3) b-chain peptide analogue 5, cyclic peptide
cINSL3b

<220>
<221> DISULFID
<222> (3)..(25)

<400> 13
Thr Pro Cys Met Arg Glu Lys Leu Ser Gly Arg His Phe Val Arg Ala
1 5 10 15

Leu Val Arg Val Ser Gly Gly Pro Cys Trp Ser
20 25

<210> 14
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
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(INSL3) b-chain peptide analogue 6

<400> 14
Thr Pro Cys Met Arg Glu Lys Leu Ser Gly Arg Glu Leu Val Arg Ala
1 5 10 15

Gln Val Ile Ala Ile Gly Gly Pro Cys Trp Ser
20 25

<210> 15
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:insulin-like 3
(INSL3) b-chain peptide analogue 7

<400> 15
Thr Cys Glu Met Arg Glu Lys Leu Ser Gly His His Phe Val Arg Ala
1 5 10 15

Leu Val Arg Val Ser Gly Gly Cys Arg Trp Ser
20 25

<210> 16
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<223> relaxin-1 a-chain

<400> 16
Arg Pro Tyr Val Ala Leu Phe Glu Lys Cys Cys Leu Ile Gly Cys Thr
1 5 10 15

Lys Arg Ser Leu Ala Lys Tyr Cys
20

<210> 17
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<223> relaxin-2 a-chain

<400> 17
Gln Leu Tyr Ser Ala Leu Ala Asn Lys Cys Cys His Val Gly Cys Thr
1 5 10 15

Lys Arg Ser Leu Ala Arg Phe Cys
20

<210> 18
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<223> relaxin-3 a-chain

<400> 18
Asp Val Leu Ala Gly Leu Ser Ser Ser Cys Cys Lys Trp Gly Cys Ser
1 5 10 15

Lys Ser Glu Ile Ser Ser Leu Cys
20

<210> 19
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<223> insulin a-chain

<400> 19
Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys
1 5 10 15

Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
20 25

<210> 20
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like growth factor 1 (IGF-1) a-chain

<400> 20
Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg Ser Cys Asp
1 5 10 15

Leu Arg Arg Leu Glu Met Tyr Cys Ala
20 25

<210> 21
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like growth factor 2 (IGF-2) a-chain

<400> 21
Arg Arg Ser Arg Gly Ile Val Glu Glu Cys Cys Phe Arg Ser Cys Asp
1 5 10 15

Leu Ala Leu Leu Glu Thr Leu Cys Ala
20 25

<210> 22
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 3 (INSL3) a-chain (Leydig
insulin-like (Ley I-L)/relaxin like factor (RLF))

<400> 22
Ala Ala Ala Thr Asn Pro Ala Arg Tyr Cys Cys Leu Ser Gly Cys Thr
1 5 10 15

Gln Gln Asp Leu Leu Thr Leu Cys Pro Tyr
20 25

<210> 23
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 4 (INSL4) a-chain (placentin/early
placenta insulin-like (EPIL))

<400> 23
Arg Ser Gly Arg His Arg Phe Asp Pro Phe Cys Cys Glu Val Ile Cys
1 5 10 15

Asp Asp Gly Thr Ser Val Lys Leu Cys
20 25

<210> 24
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 5 (INSL5) a-chain

<400> 24
Met Ser Arg Gln Asp Leu Gln Thr Leu Cys Cys Thr Asp Gly Cys Ser
1 5 10 15

Met Thr Asp Leu Ser Ala Leu Cys
20

<210> 25
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<223> insulin-like 6 (INSL6) a-chain

<400> 25
Arg Lys Arg Arg Gly Tyr Ser Glu Lys Cys Cys Leu Thr Gly Cys Thr
1 5 10 15

Lys Glu Glu Leu Ser Ile Ala Cys
20